

*In the Abstract, please amend as follows:*

~~The~~ An integrated circuit ~~comprises~~ including a shared memory connected to a bus; an audio/multiplex/de-multiplex processor accessing the shared memory via the bus; a video processor performing heavy processes accessing the shared memory via the bus; and a local memory accessed by the video processor without passing through the bus. ~~Avoiding The integrated circuit avoids a~~ latency time caused by access contention, ~~such that a~~ probability that the integrated circuit can complete processes to be done in real time is increased ~~increases~~. Image data is displayed on the display device smoothly without deterioration of quality of display.